

Atty Dkt. No.: 6510/142CON

USSN: 08/976,560

APPENDIX

CLAIMS PENDING AFTER ENTRY OF ABOVE AMENDMENTS

1. A method of detecting the presence of a bipolar mood disorder susceptibility polymorphism in an individual comprising:

analyzing a sample of DNA from said individual for the presence of a DNA polymorphism on the short arm of chromosome 18 between SAVA5 and ga203 wherein said DNA polymorphism is associated with a form of bipolar mood disorder.

- 2. The method of claim 1, wherein said DNA polymorphism is located on the short arm of chromosome 18 between and inclusive of D18S1140 and ga203.
- 3. The method of claim 1, wherein said DNA polymorphism is located on the short arm of chromosome 18 between and inclusive of SAVA5 and W3422.
- 4. The method of claim 1, wherein said DNA polymorphism is located on the short of chomosome 18 between and inclusive of D18S1140 and W3422.
- 5. The method of claim 1, wherein said DNA polymorphism is located on the short arm of chromosome 18 between and inclusive of D18S1140 and at201.
- 6. The method of claim 1, wherein said DNA polymorphism is located on the short arm of chromosome 18 between and inclusive of D18S1140 and ta201.
- 7. The method of claim 1, wherein said DNA polymorphism is located on the short arm of chromosome 18 between and inclusive of D18S59 and ta201.

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- 8. The method of claim 1, wherein said analyzing further comprises:
- a. obtaining DNA samples from family members of said individual,
- b. analyzing said DNA samples from family members for the presence of said DNA polymorphism, and
- c. correlating the presence or absence of the DNA polymorphism with a phenotypic diagnosis of bipolar mood disorder for said individual or for said family members.
- 9. A method for detecting the presence of a DNA polymorphism linked to a gene associated with bipolar mood disorder in an individual comprising:
- a. typing blood relatives of said individual for a DNA polymorphism located within a 500kb region of chromosome 18, wherein said region is located between and inclusive of SAVA5 and ga203,
 - b. analyzing a DNA sample from said individual for the presence of said DNA polymorphism.
 - 10. A method of genetically diagnosing bipolar mood disorder in an individual comprising:
 - a. obtaining a DNA sample from said individual,
- b. analyzing said DNA sample for the presence of a DNA polymorphism associated with bipolar mood disorder, wherein said DNA polymorphism is located within a 500 kb region of chromosome 18, wherein said region is located between and inclusive of D18S1140 and W3422 SAVA5 and ga203.
- 11. A method of confirming a phenotypic diagnosis of bipolar mood disorder in an individual comprising:
 - a. obtaining a DNA sample from said individual,
- b. analyzing said DNA sample for the presence of a DNA polymorphism associated with bipolar mood disorder, wherein said DNA polymorphism is located within a 500 kb region of chromosome 18, wherein said region is located between and inclusive of SAVA5 and ga203.
 - 12. The method of claim 10, wherein said individual has Spanish or Amerindian ancestry.

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- 13. A method of classifying subtypes of bipolar mood disorder comprising:
- a. identifying one or more DNA polymorphisms located within a 500 kb region of chromosome 18, wherein said region is located between and inclusive of SAVA5 and ga203 and
- b. analyzing DNA samples from individuals phenotypically diagnosed with bipolar mood disorder for the presence or absence of one of more of said DNA polymorphisms.
- 15. An isolated polynucleotide capable of selectively hybridizing with a DNA sample from an individual phenotypically diagnosed with severe bipolar mood disorder, wherein said polynucleotide does not selectively hybridize with a DNA sample from an individual not affected by severe bipolar disorder, wherein said isloated polynucleotide selectively hybridizes with a complementary polynucleotide within a 500 kb region of chromosome 18, wherein said region is located between and inclusive of SAVA5 and ga203.
- 16. The isolated polynucleotide of claim 15, wherein said complementary polynucleotide is within a 500 kb region of chromosome 18, between and inclusive of D18S1140 and W3422.
- 17. A method for detecting an increased susceptibility to bipolar mood disorder in an individual comprising:

analyzing a sample of DNA from said individual for the presence or absence of a DNA polymorphism on the short arm of chromosome 18 between SAVA5 and ga203 wherein the presence of said DNA polymorphism indicates susceptibility to bipolar mood disorder.

- 18. The method of claim 17, wherein said DNA polymorphism is located on the short arm of chromosome 18 between and inclusive of D18S1140 and ga203.
- 19. The method of claim 17, wherein said DNA polymorphism is located on the short arm of chromosome 18 between and inclusive of SAVA5 and W3422.

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- 20. The method of claim 17, wherein said DNA polymorphism is located on the short of chomosome 18 between and inclusive of D18S1140 and W3422.
- 21. The method of claim 17, wherein said DNA polymorphism is located on the short arm of chromosome 18 between and inclusive of D18S1140 and ta201.
- 22. The method of claim 17, wherein said DNA polymorphism is located on the short arm of chromosome 18 between and inclusive of D18S59 and ta201.
- 23. The method of claim 17, wherein said DNA polymorphism is located on the short arm of chromosome 18 between and inclusive of D18S1140 and at201
 - 24. The method of claim 17, wherein said analyzing further comprises:
 - a. obtaining DNA samples from family members of said individual,
- b. analyzing said DNA samples from family members for the presence of said DNA polymorphism, and
- c. correlating the presence or absence of the DNA polymorphism with a susceptibility to bipolar mood disorder for said individual or for said family members.